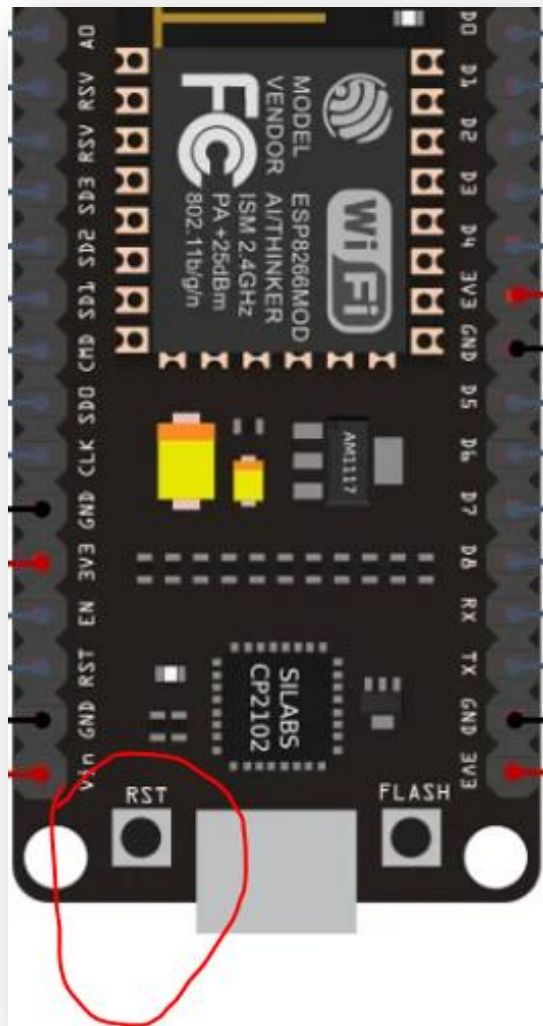


# Step 2

## WIFI Network Registration

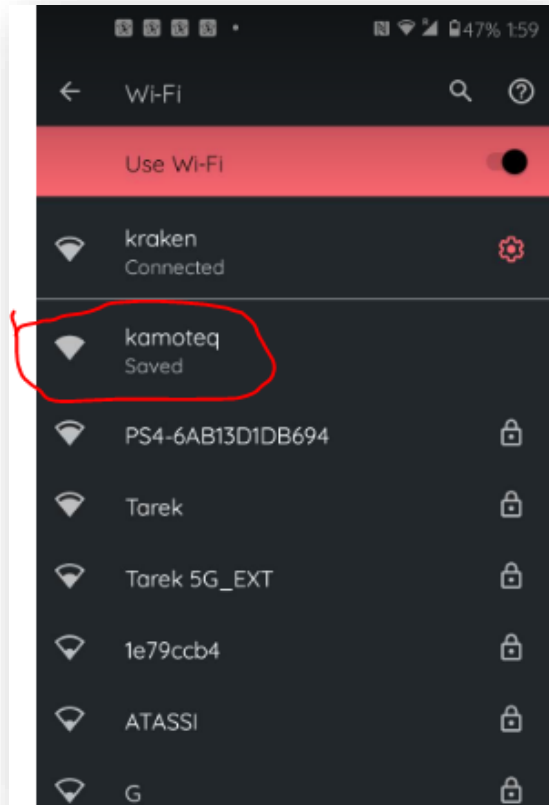
Registering the WIFI Network

1. Reset your device



2. Get your laptop or smartphone or tablet or anything that can connect to a WIFI network and has an internet browser like google chrome browser

3. Open the WIFI and find and connect to the “kamoteq” hotspot and verify that you successfully connected to the “kamoteq” network



4. Open the Google Chrome browser and enter <http://192.168.4.1> and a registration page will load, In the registration form, enter your HOME WIFI network SSID, PASSWORD, and the new NAME for your ESP device

**Note.** Please make sure the password has no extra white spaces at the end.

WIFI REGISTRATION

SSID

kraken

PASS

~~XXXXXXXXXX~~

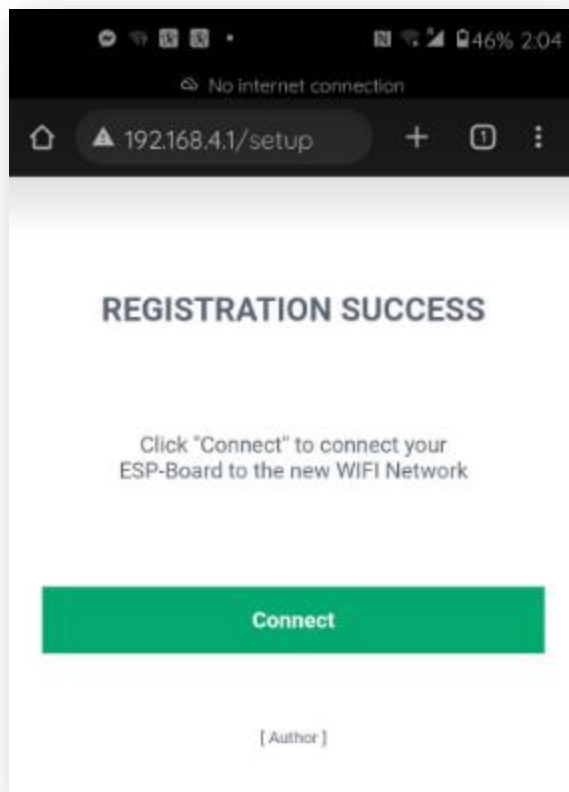
DEVICE NAME

Rolly

Register

[ Author ]

5. After clicking the register button, the confirmation page will load, and to finalize the process just click "**Connect**" this will reset your device and your device will attempt to connect to the HOME WIFI network you registered, if all credentials are correct this will connect your device without any error.



Note. After clicking Connect, it will load an error page, since this will reset the device and the page will not be available, this is normal.

6. Wait for a minute or two, this will connect your device to your home WIFI Network

LEAVE YOUR MOBILE NOW AND GO BACK TO YOUR COMPUTER/LAPTOP

7. To test the new ESP device, open the Google Chrome browser  
IN YOUR COMPUTER/LAPTOP  
and enter <http://<device-name>/> a page will load with  
details on how to control the newly configured ESP device

Note. make sure you replace <device-name> with the device name you registered

like for example I registered “rolly” so in the browser I will just type **rolly/** or **http://rolly/**

The screenshot shows a web browser interface for a device named 'rolly'. The page title is 'SETTINGS AND CONFIGURATIONS'. It contains three tables of HTTP requests and their syntaxes.

HTTP Request	Syntax
Base-Url	http://rolly/500291dd0ff7
Base-Url	http://192.168.100.2/500291dd0ff7
Get global data	/?req=stat
Get GPIO4 current pin status	/?req=stat&pin=4
Set GPIO4 pin to HIGH (mode=on,1,true would result same effect)	/?req=set&pin=4&mode=on
Set GPIO4 pin to LOW (mode=off,0,false would result same effect)	/?req=set&pin=4&mode=off
[Warning] This will erase currently saved Wifi SSID/PASS	/?req=eraserequest

Note: "secret" can be obtain from Arduino IDE serial monitor, during device bootup.

OpenHAB [Options for Switch Items]	Syntax
stateExtension	/?req=stat&pin=0
commandExtension	/?req=set&pin=0&mode=%2\$s
stateTransformation	JSONPATH:\$.status

OpenHAB [Options for DHT Sensor Items]	Syntax
stateExtension	/?req=stat
stateTransformation	JSONPATH:\$.temp

Board Pin Assignments	Description
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This Page concluded that the registration and configuration are successful!

Congratulations!

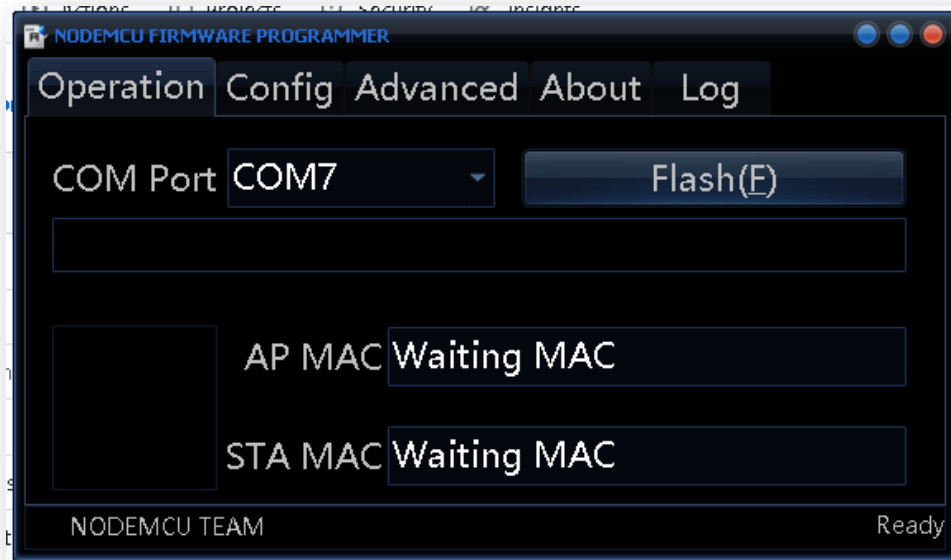
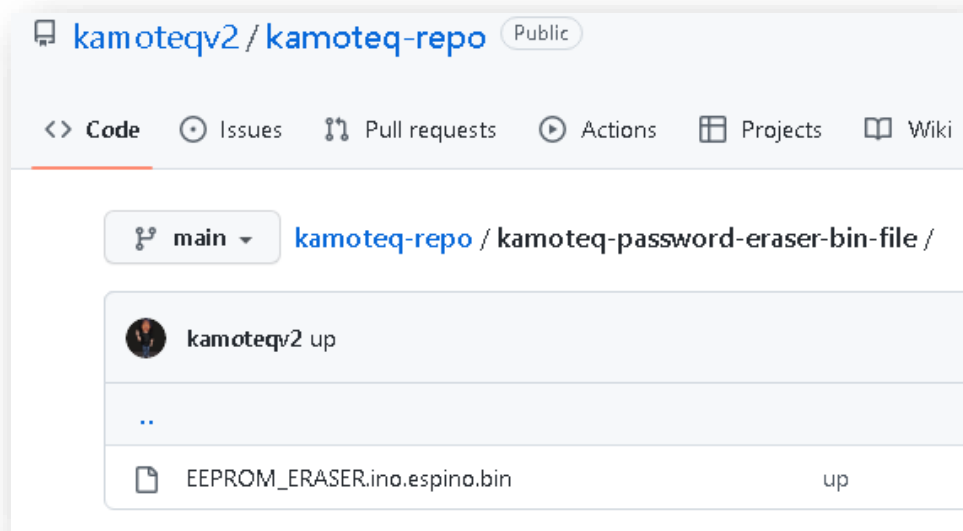
If in case you receive an error, just repeat the process,

and if you made a mistake with the password this must be erased, on [GitHub](https://github.com/kamoteqv2/kamoteq-repo/tree/main/kamoteq-password-eraser-bin-file), there is a special bin file to erase the password.

<https://github.com/kamoteqv2/kamoteq-repo/tree/main/kamoteq-password-eraser-bin-file>

use the below bin file to flash out the old password

in your ESP device using the nodeMCU flasher



This completes the STEP 2 (WIFI Registration)

Proceed to STEP 3 (Java Installation and Configuration)

End